



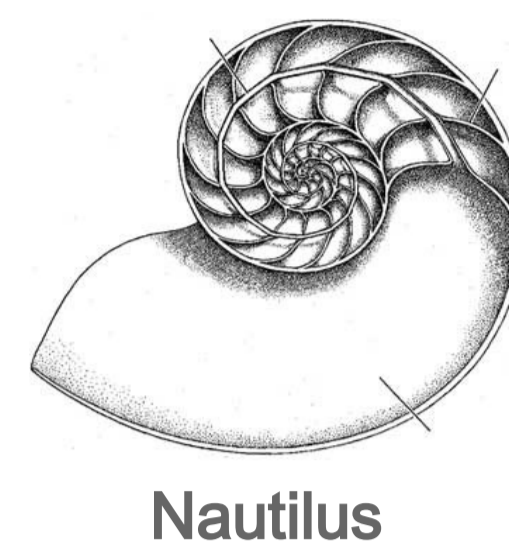
## BIOMIMICRY

### The European Map of Bio-Inspiration Projects and Initiatives

Biomimicry is an innovation process encouraging the transfer of ideas, concepts and strategies inspired from the living world, with the objective of designing human applications which are compatible with the biosphere's mode of functioning.

It is therefore a sustainability tool that fosters trans-disciplinarity to tackle environmental challenges in a systematic way.

#### FORM



Nautilus

Electric kettle Nautilé (FR)



M. Mélo & G. Graves

Advanced botanical systems for waste-water treatment



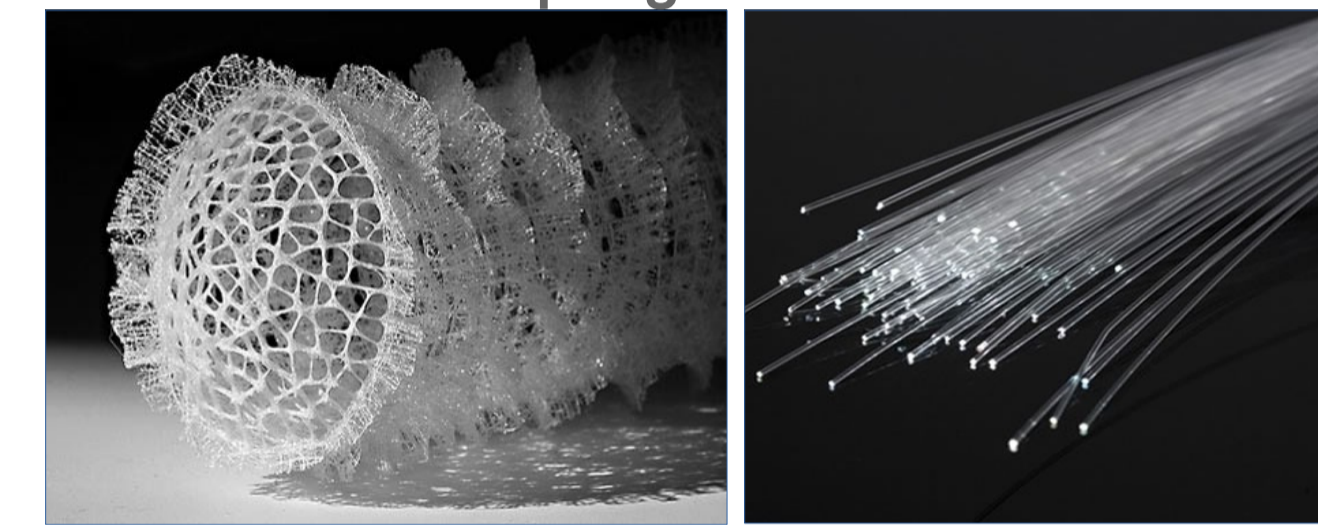
EcoSolutions (USA)

#### 3 BIO-INSPIRATION LEVELS

#### SYSTEMS

#### FUNCTION

Glass sponge & biosilica



Towards the fabrication of sea sponge fiber optics?

The European Biomimicry Alliance is a trans-national network of European experts in the field of sustainable innovation through biomimicry. Contributors to the alliance are mostly certified Biomimicry professionals, specialists and other experts in the field of bionics and biomimetics with diverse professional backgrounds. EBA members jointly work on outreach, education, facilitation and innovation using biomimicry and take advantage of the multi-disciplinarity and multi-level experience within the alliance.

#### BiomimicryUK

Community-led Biomimicry Self-build  
(architecture, planning, urban  
governance, landscape architecture)

<http://www.biomimicry-uk.org/biomimicry-self-build-community-project-alloa/>

#### BiomimicryNL

InvisibleNature App (education)  
BiomimicryCrowd (crowd-funding)

<http://www.biomimicrynl.org/>

#### Biomimicry Germany

Audi Urban Future Initiative (urban mobility)  
[www.biomimicrygermany.de/](http://www.biomimicrygermany.de/)

#### phi360

Drinking water in rural areas of Nepal (water security, education)  
Nachhaltige Innovation in KMUs in Brandenburg (sustainable innovation in SMEs)  
[www.phi360.eu](http://www.phi360.eu)

#### Biomimicry BE

Bio-inspired Belgium (R&I)  
[www.biomimicrybe.org](http://www.biomimicrybe.org)

#### Biomimicry Europa

Arbres Sauveurs (agroforestry)  
[www.biomimicry.eu](http://www.biomimicry.eu)

#### Greenloop sa

CO<sub>2</sub>SolStock (carbon capture)  
ResilieNtWEB (Business)  
[www.greenloop.eu](http://www.greenloop.eu)

#### CEEBIOS

Centre européen d'excellence  
en biomimétisme de Senlis  
<http://en.ceebios.com>

#### Comité Français de Biomimicry

Europa  
Arbres Sauveurs (agroforestry)  
[www.biomimicry.eu](http://www.biomimicry.eu)

#### Biomimicry Iberia

Flamingo Beak Inspired Turbine (energy)  
Mallorca Glocal Project (circular economy)  
<http://biomimicryiberia.com>

#### Planet / Biomimicry Italy

Innobio – Biologically Inspired Design  
(BID) for Innovation (education)  
<http://planet.wemimic.it/>  
[www.biomimicryit.org](http://www.biomimicryit.org)

#### University of Zadar, Croatia

Biomimicry LivingLab (bLL, ecosystem restoration)  
Seawall Design Challenge (maritime construction)  
Education  
[www.unizd.hr](http://www.unizd.hr)  
[https://www.umb.edu/ghp/green\\_harbors/zadar\\_harbor1](https://www.umb.edu/ghp/green_harbors/zadar_harbor1)

#### Cluster Bayonik - Bionik Netz

Bayern  
Innovativ mit Bionik! (innovation network)  
[www.bayonik.de](http://www.bayonik.de)

#### Biomimicry Switzerland

Bio-credits (bottom-up economy)  
<http://biomimicryswitzerland.org>